



# TRPC1 Monoclonal Antibody

<b>Catalog No</b>	BYmab-06181
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	TRPC1 TRP1
<b>Protein Name</b>	Short transient receptor potential channel 1 (TrpC1) (Transient receptor protein 1) (TRP-1)
<b>Immunogen</b>	Synthesized peptide derived from part region of human protein
<b>Specificity</b>	TRPC1 Monoclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	87kD
<b>Cell Pathway</b>	Membrane; Multi-pass membrane protein.
<b>Tissue Specificity</b>	Seems to be ubiquitous.
<b>Function</b>	function:Thought to form a receptor-activated non-selective calcium permeant cation channel. Probably is operated by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G-protein coupled receptors. Seems to be also activated by intracellular calcium store depletion.,similarity:Belongs to the transient receptor family. STrpC subfamily.,similarity:Contains 3 ANK repeats.,subunit:Interacts with TRPC3. Interacts with ITPR3. Interacts with MX1 and RNF24.,tissue specificity:Seems to be ubiquitous.,
<b>Background</b>	transient receptor potential cation channel subfamily C member 1(TRPC1) Homo sapiens The protein encoded by this gene is a membrane protein that can form a non-selective channel permeable to calcium and other cations. The

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encoded protein appears to be induced to form channels by a receptor tyrosine kinase-activated phosphatidylinositol second messenger system and also by depletion of intracellular calcium stores. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images